



and, if appropriate, standard refining agents in standard amounts.

3. The borosilicate glass as claimed in claim 1 or 2,  
5 characterized in that it additionally contains (in % by weight, based on oxide):

	SrO	0 - 1.5
	BaO	0 - 1.5
10	with SrO + BaO	0 - 2
	ZnO	0 - 1.

4. The borosilicate glass as claimed in at least one  
of claims 1 to 3, characterized in that it additionally  
15 contains (in % by weight, based on oxide):

	$\text{Fe}_2\text{O}_3 + \text{Cr}_2\text{O}_3 + \text{CoO}$	0 - 1
	$\text{TiO}_2$	0 - 3.

- 20 5. The borosilicate glass as claimed in at least one of claims 1 to 4, characterized in that, apart from inevitable impurities, it is free of  $\text{As}_2\text{O}_3$  and  $\text{Sb}_2\text{O}_3$ .

6. The borosilicate glass as claimed in at least one  
25 of claims 1 to 5, having a coefficient of thermal expansion  $\alpha_{20/300}$  of between  $> 5$  and  $6.0 \times 10^{-6}/\text{K}$ , in particular between  $> 5.3$  and  $5.9 \times 10^{-6}/\text{K}$ , and a working point  $V_A$  of at most  $1180^\circ\text{C}$ .

- 30 7. The use of the borosilicate glass as claimed in at least one of claims 1 to 6, as sealing glass for Fe-Co-Ni alloys.

8. The use of the borosilicate glass as claimed in at  
35 least one of claims 1 to 6 as instrument glass for laboratory applications and for the construction of chemical installations.

9. The use of the borosilicate glass as claimed in at least one of claims 1 to 6 as primary packaging material for pharmaceuticals, for example as ampoule glass.